

FORM PTO-1390 (Modified)  
(REV 10-95)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

226

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR

09/381328

INTERNATIONAL APPLICATION NO.  
PCT/US98/05174INTERNATIONAL FILING DATE  
17 March 1998PRIORITY DATE CLAIMED  
18 March 1997

## TITLE OF INVENTION

METHOD AND APPARATUS FOR SUPPRESSION OF THE GLOW-TO-ARC TRANSITION IN GLOW  
DISCHARGES

APPLICANT(S) FOR DO/EO/US

Kunhardt, et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. ☒ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
  - a. ☒ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ has been transmitted by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. ☒ A copy of the International Search Report (PCT/ISA/210).
8. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☒ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
9. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
10. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
11. ☒ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

## Items 13 to 18 below concern document(s) or information included:

13. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☐ A **FIRST** preliminary amendment.  
A **SECOND** or **SUBSEQUENT** preliminary amendment.
16. ☐ A substitute specification.
17. ☐ A change of power of attorney and/or address letter.
18. ☒ Certificate of Mailing by Express Mail
19. ☒ Other items or information:

Response dated April 7, 1999, to Written Opinion with amendment to claims.

FEE VALUE ACCOUNTABLE	
DEPOSIT ACCOUNT NO.	
0612143	
FEE CODE	VALUE FURNISHED
957	335
962	96

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.53) <b>09/38108</b>		INTERNATIONAL APPLICATION NO. <b>PCT/US98/05174</b>		ATTORNEY'S DOCKET NUMBER <b>226333</b>	
20. The following fees are submitted: <b>BASIC NATIONAL FEE ( 37 CFR 1.492 (a) (1) - (5) ) :</b> <input type="checkbox"/> Search Report has been prepared by the EPO or JPO ..... <b>\$840.00</b> <input checked="" type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) ..... <b>\$670.00</b> <input type="checkbox"/> No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)) ..... <b>\$760.00</b> <input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2) paid to USPTO ..... <b>\$970.00</b> <input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4) ..... <b>\$96.00</b>  <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				<b>CALCULATIONS PTO USE ONLY</b>	
				<b>\$670.00</b>	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).				<b>\$130.00</b>	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	23 - 20 =	3	x \$18.00	<b>\$54.00</b>	
Independent claims	4 - 3 =	1	x \$78.00	<b>\$78.00</b>	
Multiple Dependent Claims (check if applicable).			<input type="checkbox"/>	<b>\$0.00</b>	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$932.00</b>	
Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28) (check if applicable).			<input checked="" type="checkbox"/>	<del>\$932.00</del> <b>\$466.00</b>	
<b>SUBTOTAL =</b>				<b>\$466.00</b>	
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).				<b>\$0.00</b>	
<b>TOTAL NATIONAL FEE =</b>				<b>\$466.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).			<input checked="" type="checkbox"/>	<b>\$40.00</b>	
<b>TOTAL FEES ENCLOSED =</b>				<del>\$972.00</del> <b>\$506.00</b>	
				Amount to be: refunded	\$
				charged	\$

☒ A check in the amount of **\$506.00, \$466.00** to cover the above fees is enclosed.

☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.

☒ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. **06-2143** A duplicate copy of this sheet is enclosed.

**NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.**

SEND ALL CORRESPONDENCE TO:

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Friscia & Nussbaum  
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Hackensack, NJ 07601  
Tel: (201) 498-9800  
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SIGNATURE

**Michael R. Friscia**

NAME

**33,884**

REGISTRATION NUMBER

**16 September 1999**  
DATE

09/381328

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

BOX: PCT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Re: Our file: 226333 Office:  
Applicant: Kunhardt, et al. Examiner:  
Serial No.: PCT/US98/05174  
Filing Date: 17 March 1998  
Title: Method and Apparatus for Suppression of the Glow-to-Arc Transition in  
Glow Discharges

Sir:

Enclosed for filing in the United States Patent and Trademark Office is the following:

1. Transmittal Letter to the United States Designated/Elected  
Office (DO/EO/US) Concerning A Filing Under 35 U.S.C. 371
2. Copy of PCT International Application With Figures
3. Copy of International Search Report
4. Copy of Response to International Search Report
5. Copy of International Preliminary Examination Report
6. Copy of Response to PCT Written Opinion
7. Small Entity Statement - Small Business Concern
8. Assignment and Assignment Recordation Cover Sheet
9. Check No. 5603 for \$506.00 / Check No. 5605 for \$466.00
10. Transmittal Sheet
11. Postcard receipt

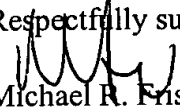
CONDITIONAL PETITION

If any extension of time is required for the submission of the above-identified items, Applicant requests that this be considered a petition therefor. Please charge any additional charges or any other charges relating to this matter to the deposit account of the writer, **Account No. 06-2143**. A duplicate copy of this letter is enclosed.

9/17/99  
Date

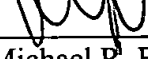
enc.

Respectfully submitted,

  
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I hereby certify that this correspondence is being deposited with the United States Postal Service, postage prepaid, as "Express Mail Post Office to Addressee," Mailing Label No. EL134839202US to Box: PCT, Assistant Commissioner of Patents, Washington, D.C. 20231 on

9/17/99  
EXTRANS.226

By:   
Michael R. Friscia